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|              |  |

| Application/Control No. | Applicant<br>Reexamin |
|-------------------------|-----------------------|
| 10/004 815              | AMINEH                |

Examiner

Hung Q. Dang

(s)/Patent under ation H, ROMEL Art Unit

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

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| Cla                    | aim      | Ι         |          |          | _        | Dat  | е  |  |          |  | 1 | Cla    | aim      | 1        |          |  |  | c |
|------------------------|----------|-----------|----------|----------|----------|--|--|--|----------|--|---|--------|----------|----------|----------|--|--|---|
|                        |          |           | Γ        | Γ        | Π        | Γ  | Ť  | Π  | Γ        | Π  | 1 |        |          |          | Π        | Г  | T  | Í |
| Final                  | Original | 4/13/06   |          |          |          |  |  |  |          |  |   | Final  | Original |          |          |  |  |   |
| <u> </u>               |          | Ш         |          |          |          |  |  |  | L        | L  |   |        |          |          |          | L  | _  |   |
|                        | 1 2      | 7         | ļ        | ├        | ├-       | ⊢  | ╀  | ├  | ├-       | -  | ł |        | 51       | <u> </u> | _        |  | <u> </u>   | ł |
| <u> </u>               | 3        | -         | <u> </u> | ⊢        | ┝        | ┢  | ┢  | ⊢  | ⊢        | ╁  | ł |        | 52<br>53 | ⊢        | <u> </u> | ├  | ╀  | ł |
| $\vdash$               | 4        | V         | -        | ┢        | ┢        | ┢  | ┢  | ⊢  | ⊢        | ┢  | ł |        | 54       | ├        | ├        | ⊢  | ╁  | ł |
| -                      | 5        | V         | -        | ┢╌       | ┢        | $\vdash$   | ┢  | ┢  | ╁        | ╁╌   | 1 |        | 55       | $\vdash$ | ┈        | -  | ╁  | ł |
|                        | 6        | 1         | $\vdash$ | ╁        | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ | 1  | ł |        | 56       | ┢        | ┢╌       | -  | ╁  | t |
|                        | 7        | 7         |          | ┢        | $\vdash$ | $\vdash$   | t  | t  | $\vdash$ | ╁╴   | l |        | 57       | $\vdash$ | -        | ╁  | ╁  | t |
|                        | 8        | <b>√</b>  |          | H        | $\vdash$ | ╁  | <del> </del>                                     | <del>                                     </del> | H        | t  | l |        | 58       | $\vdash$ | $\vdash$ | $\vdash$   | ┢  | t |
|                        | 9        | 7         |          | Г        | <u> </u> | t  | t  |  | T        |  | i |        | 59       | H        |          | <del>                                     </del> | $t^-$  | t |
|                        | 10       | 1         |          | $\vdash$ | T        | T  |  | T  | $\vdash$ | T  | i |        | 60       | _        | _        | T  | ⇈  | t |
|                        | 11       | V         |          |          |          | $\vdash$   | Т  | T  | T        | Τ_   |   |        | 61       |          | T        | Т  | 一  | t |
|                        | 12       | V         |          | Γ        |          | П  |  | T  | Π        |  | 1 |        | 62       |          |          |  |  | İ |
|                        | 13       | <u> </u>  |          |          |          |  |  |  |          |  |   |        | 63       |          |          |  | Г  | İ |
|                        | 14       |           |          |          |          |  |  |  |          |  |   |        | 64       |          |          |  | Г  | Ī |
|                        | 15       | 1         |          |          |          |  |  |  |          |  | ] |        | 65       |          |          |  |  | Ī |
|                        | 16       | V         |          |          |          |  |  | L  |          |  | ] |        | 66       |          |          |  |  | Ī |
|                        | 17       | <b>✓</b>  |          |          |          |  |  | L  | L        |  |   |        | 67       |          |          |  |  | I |
|                        | 18       | V         | _        |          | L        | L  |  |  | 乚        | L  |   |        | 68       |          |          |  |  | I |
|                        | 19       |           |          | L        | L        | L  | L  |  |          | <u> </u>   |   |        | 69       |          |          |  | L  | l |
|                        | 20       | 4         |          |          | L        | <u>_</u>   | L  |  |          | $oxed{oxed}$                                     |   |        | 70       |          |          |  |  | l |
|                        | 21       | V         |          |          | 匚        | L  | $oxed{oxed}$                                     |  | L        |  |   |        | 71       |          |          |  |  | I |
|                        | 22       | 7         |          |          |          |  | L  |  |          | L  | Į |        | 72       |          |          | L  | L  | l |
|                        | 23       | 1         |          | L        | _        |  |  |  | L        | _  |   |        | 73       |          | L_       | _  | L  | l |
|                        | 24       | <b>\</b>  |          | L_       | L        |  | L.   | <u> </u>   |          | L  |   |        | 74       |          |          |  | _  | l |
| $\sqcup$               | 25       | V         |          | _        | _        | <u> </u>   | <u> </u>   | _  | _        |  | 1 |        | 75       |          | _        |  |  | ļ |
| igsquare               | 26       | $\square$ |          | ļ        |          | ļ_   | ╙  | L  | <u>L</u> | <u> </u>   | l |        | 76       |          | _        |  |  | ļ |
| igwdown                | 27       | Н         |          | ļ        | <u> </u> | _  | <u> </u>   | <u> </u>   | L        | _  | l |        | 77       | _        | _        |  | _  | ļ |
| <b>  </b>              | 28       | Ш         |          | <u> </u> | L        | <u> </u>   | ┞  | ┡  | <u> </u> | ļ  |   |        | 78       |          | _        |  | <u> </u>   | ļ |
|                        | 29       | $\vdash$  |          |          | _        | ļ  | <u> </u>   | ⊢  | ⊢        | ▙  |   |        | 79       |          |          | <u> </u>   | <u> </u>   | ļ |
|                        | 30       |           |          |          |          | <del> </del>                                     | ├-   | ⊢  | ļ        | _  |   |        | 80       | _        |          | -  | <u> </u>   | ļ |
| $\vdash$               | 31<br>32 | Н         |          | -        | -        | ⊢  | ⊢  | ├-   | ┡        | ▙  | ŀ |        | 81       |          |          | <u> </u>   | ⊢  | ł |
| $\vdash$               | 33       | $\vdash$  | _        | <u> </u> | ⊢        | ⊢  | $\vdash$   | ┢  | <u> </u> | L  |   |        | 82       |          | ļ        | <u> </u>   | ├  | ł |
| -                      | 34       | $\vdash$  |          |          | ⊢        | ├-   | ⊢  | ├  | -        | H  | ŀ |        | 83       | _        |          |  | ⊢  | ł |
| $\vdash$               | 35       |           |          | _        | $\vdash$ | ├  | -  | ⊢  | ⊢        | ⊢  | H |        | 84<br>85 |          | $\vdash$ | ├  | ├  | ł |
|                        | 36       | $\vdash$  |          | $\vdash$ | $\vdash$ | ├-   | $\vdash$   | $\vdash$   | -        | ┢  |   |        | 86       | -        | -        | ├  | ├  | ł |
|                        | 37       | $\vdash$  |          | $\vdash$ | $\vdash$ | ├  | -  | $\vdash$   | $\vdash$ | $\vdash$   |   |        | 87       |          | <u> </u> | $\vdash$   | $\vdash$   | ł |
| ┝╌┤                    | 38       | $\vdash$  | =        | H        | $\vdash$ | $\vdash$   | ┢╌   | $\vdash$   | $\vdash$ | <del>                                     </del> |   |        | 88       |          | $\vdash$ | ├  | ├  | ł |
| $\vdash$               | 39       | $\vdash$  | -        | $\vdash$ | $\vdash$ | $\vdash$   | <del>                                     </del> | ├-   | ├-       | $\vdash$   |   |        | 89       | -        | -        | <del> </del>                                     | <del> </del>                                     | ł |
| $\vdash$               | 40       | $\vdash$  | $\dashv$ | ┢        | H        | <del>                                     </del> | Η-   | ╁─   | $\vdash$ | $\vdash$   |   |        | 90       | _        | _        |  | $\vdash$   | t |
|                        | 41       | $\vdash$  | -        | $\vdash$ | $\vdash$ | $\vdash$   | T  | $\vdash$   | H        |  |   |        | 91       |          |          | -  | ┢  | t |
|                        | 42       | $\Box$    |          |          |          |  |  | ╁  | Н        | $\vdash$   |   |        | 92       |          | <b>-</b> | H  | $\vdash$   | t |
| $\vdash \vdash \vdash$ | 43       | $\Box$    |          | _        |          |  | Т  | H  | ┢        |  |   | -      | 93       |          |          | Т  | $\vdash$   | t |
|                        | 44       |           |          | Т        |          | Г  | Г  | $\vdash$   | Т        | $\Box$   |   |        | 94       |          |          |  | $\vdash$   | t |
|                        | 45       |           |          |          |          |  |  | T  |          | Г  |   |        | 95       |          |          |  | <del>                                     </del> | t |
|                        | 46       |           |          |          |          |  |  |  | T        | П  |   |        | 96       |          |          | П  |  | t |
|                        | 47       |           |          |          |          |  |  | П  | <u> </u> | П  |   | $\neg$ | 97       |          |          | Т  | П  | t |
|                        | 48       |           |          |          |          |  |  |  |          | П  | Ì |        | 98       |          |          |  |  | r |
|                        | 49       |           |          |          |          |  |  |  |          | П  |   |        | 99       |          |          |  |  | r |
|                        | 50       | ヿ         |          |          |          |  |  |  |          |  |   |        | 100      |          |          |  |  | r |

| CI             | aim            | Т  | Date         |          |          |               |              |  |              |          |  |  |  |
|----------------|----------------|--|--------------|----------|----------|---------------|--------------|--|--------------|----------|--|--|--|
| <del>  "</del> |                | ├-   | П            | Т        | Τ.       | T             | <del>-</del> | Т  | Τ            | _        |  |  |  |
| Final          | Original       |  |              |          | Đ        |               |              |  |              |          |  |  |  |
|                | 51             | Π  |              | Π        |          |               | $\Box$       | Г  | Ī            |          |  |  |  |
|                | 52             |  | Ī            |          |          |               |              |  |              |          |  |  |  |
|                | 51<br>52<br>53 | T  | T            |          |          |               |              |  |              |          |  |  |  |
|                | 54             | П  | Π            | П        | Π        |               |              |  | Γ            | T        |  |  |  |
|                | 54<br>55       |  |              |          | П        | Г             | Γ            |  | П            |          |  |  |  |
|                | 56             |  |              |          | Г        | Π             |              |  | Г            | Г        |  |  |  |
|                | 57             |  |              |          |          |               |              |  |              |          |  |  |  |
|                | 58             |  |              | L        |          | L             | [            |  |              |          |  |  |  |
|                | 59             |  | <u></u>      |          |          |               |              | L  | L            |          |  |  |  |
|                | 60             | L  | L            | 乚        |          | L             |              |  | L            |          |  |  |  |
|                | 61             | L  | L            | ╙        |          | L             |              | 乚  | L            |          |  |  |  |
| L              | 62             | L  | L            | _        | L.       | L             |              |  |              |          |  |  |  |
| -              | 63             | L.   | <u> </u>     | <u> </u> | _        | _             | ــــ         | <u> </u>   | <u> </u>     | Щ        |  |  |  |
| ļ              | 64             | L_   | <b>I</b> —   | <u> </u> | <u> </u> | <u> </u>      | <b>—</b>     | <u> </u>   | <b>!</b>     | $\vdash$ |  |  |  |
|                | 65             | <b> </b>   | <u> </u>     | <u> </u> | <u> </u> | <u> </u>      | <b>L</b> -   | <u> </u>   | <u> </u>     | <u> </u> |  |  |  |
| -              | 66             | ⊢  | ⊢            | $\vdash$ | ļ        | ⊢             |              |  | _            |          |  |  |  |
| -              | 67             |  | _            | ┢        |          | ├             | <del> </del> | _  | <u> </u>     | L        |  |  |  |
| $\vdash$       | 68<br>69       | -  | _            | -        | _        |               | <b>-</b> -   | <del> </del>                                     | <u> </u>     | -        |  |  |  |
| -              | 70             | ⊢  | ⊢            | ⊢        |          | ┢             | -            | $\vdash$   | ⊢            | ⊢        |  |  |  |
|                | 71             | ┢  | ┢            | ⊢        | ├        | ┢             | ⊢            | ⊢  | ⊢            | ├        |  |  |  |
|                | 72             | _  | ┢            | ⊢        | ┝        | ⊢             |              | ├-   | ├            | ├        |  |  |  |
| _              | 73             |  | ┢            | ┢┈       | ┢        | ┢             | ┢            | ┢  | -            | ├─       |  |  |  |
| <u> </u>       | 73<br>74       | $\vdash$   | -            | ┢        | -        | H             | $\vdash$     |  | $\vdash$     | ┢        |  |  |  |
|                | 75             | $\vdash$   | <del> </del> | $\vdash$ | $\vdash$ | Ι-            | ┢            | -  |              |          |  |  |  |
|                | 76             | <del>                                     </del> | ┢            | _        |          | $\vdash$      | $\vdash$     | <del>                                     </del> | ┢            | -        |  |  |  |
|                | 76<br>77       |  | $\vdash$     |          |          | <u> </u>      | _            | ┢  | <del> </del> | ┢        |  |  |  |
|                | 78             |  | Г            |          |          |               | Г            | $\vdash$   | _            |          |  |  |  |
|                | 79             |  |              |          | Γ        |               |              |  |              |          |  |  |  |
|                | 80             |  |              |          |          |               |              |  |              |          |  |  |  |
|                | 81             | L  | L            |          |          |               |              |  |              |          |  |  |  |
|                | 82             |  |              |          |          |               |              |  |              |          |  |  |  |
|                | 83             | 匚  |              |          |          | 匚             | Ĺ            |  |              |          |  |  |  |
| <u> </u>       | 84             | <u> </u>   | <u> </u>     | L        | <u> </u> | L_            | <u> </u>     | $oxed{oxed}$                                     | L.           | L        |  |  |  |
| <u></u>        | 85             | <u> </u>   | <u> </u>     | <u> </u> | L        | <u> </u>      | <u> </u>     | _  | <u> </u>     | L        |  |  |  |
| <u> </u>       | 86             | <u> </u>   | <u> </u>     | <u> </u> | L_       | <u> </u>      | L            | L  | <u> </u>     | L        |  |  |  |
| <u> </u>       | 87             | <u> </u>   | <u> </u>     | ├        | <u> </u> | ऻ             | _            | <u> </u>   | $\vdash$     | $\vdash$ |  |  |  |
| <u> </u>       | 88             | ⊢  | ├—           | <u> </u> | <u> </u> | $\vdash$      | <u> </u>     | <u> </u>   | <b> </b>     | <u> </u> |  |  |  |
| <b>—</b>       | 89             | ⊢  | $\vdash$     | ├        | <u> </u> | ├-            | <u> </u>     | <u> </u>   | <u> </u>     | H        |  |  |  |
| $\vdash$       | 90<br>91       | <u> </u>   | $\vdash$     | -        | $\vdash$ | <u> </u>      | $\vdash$     | $\vdash$   | ├            | <u> </u> |  |  |  |
| $\vdash$       | 92             |  |              | $\vdash$ | $\vdash$ |               | -            | $\vdash$   | -            | -        |  |  |  |
| -              | 93             | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$ | $\vdash$      | $\vdash$     | $\vdash$   | $\vdash$     |          |  |  |  |
|                | 94             | $\vdash$   | $\vdash$     | $\vdash$ | _        | $\vdash$      | $\vdash$     |  | -            |          |  |  |  |
|                | 95             | ┝┈   | $\vdash$     | $\vdash$ | -        | $\vdash$      | <u> </u>     | $\vdash$   | $\vdash$     | -        |  |  |  |
|                | 96             | Н  |              | Н        | М        |               | _            |  | -            |          |  |  |  |
|                | 97             |  |              | Н        | П        | П             | Т            | Т  |              |          |  |  |  |
|                | 98             |  |              |          |          |               |              | $\Box$   |              |          |  |  |  |
|                | 99             |  |              |          |          |               |              |  |              |          |  |  |  |
|                | 100            |  |              | $\Box$   |          | $\overline{}$ |              | _  | $\vdash$     | _        |  |  |  |

| Cla      | aim   |              |              |          | - (      | Date   | <u>—</u><br>е  | -          |                 |                 |
|----------|---|--------------|--------------|----------|----------|--|----------------|------------|-----------------|-----------------|
|          |   | Γ.           | Γ            |          | Γ        | Γ  |                | Ι          |                 | П               |
| ਯ        | Original                                      | l            | 1            | l        | ŀ        |  | 1              | 1          | l               |                 |
| Final    | ij  | l            |              |          |          |  |                | İ          |                 |                 |
| _        | Ō   |              |              |          |          |  |                |            |                 |                 |
| <u> </u> | 101   | ┢            | ├            | -        | $\vdash$ | ┝  | -              | -          | ├               | Н               |
|          | 101<br>102                                    | $\vdash$     | ┢╌           | ⊢        |          | $\vdash$   |                | ┢          | ⊢               | H               |
|          | 102   | -            | ⊢            | $\vdash$ | H        | ⊢  | -              | -          | ⊢               | Н               |
|          | 103   | _            | ⊢            | ┢┈       | ├        | ┢┈   | ⊢              | ⊢          | -               | Н               |
|          | 103<br>104<br>105                             | ├            | ┞            | -        | ┝        | ⊢  | ⊢              | ⊢          | -               | Н               |
|          | 105   | -            | ⊢            |          |          | -  | _              | _          | <del> </del>    | Н               |
|          | 106<br>107                                    | -            | ⊢            |          | <u> </u> | 1  | -              | _          | ├-              | Н               |
|          | 107   | $\vdash$     | ⊢            | ⊢        | ├        | ⊢  |                | <b>—</b>   | ⊢               | Н               |
|          | 108   | <u> </u>     | _            | ├        | ├        | ⊢  | ⊢              | ⊢          |                 | H               |
|          | 109   | <u> </u>     | <del> </del> | <u> </u> | _        | L  |                | ⊢          | <u> </u>        | Н               |
|          | 110   | <u> </u>     | <del> </del> | <u> </u> | _        | _  | <u> </u>       | <b>!</b> — | <u> </u>        | Н               |
|          | 117   | <del> </del> | _            | $\vdash$ | $\vdash$ | <del> </del>                                     | <u> </u>       | ⊢          | ⊢               | $\vdash \vdash$ |
|          | 112   | $\vdash$     | <u> </u>     | $\vdash$ | <u> </u> | <del> </del>                                     | <u> </u>       | <u> </u>   | ├—              | $\vdash \dashv$ |
|          | 113   | <u> </u>     | <b>—</b>     | ⊢        | <u> </u> | <b> </b>   | <u> </u>       | <u> </u>   | ⊢               | Щ               |
|          | 109<br>110<br>111<br>112<br>113<br>114<br>115 | <u> </u>     | <u> </u>     | <u> </u> | L        | <u> </u>   | <del>  -</del> | <u> </u>   | ┞               | Ш               |
|          | 115   | <del> </del> |              | <u> </u> | $\vdash$ | ├  | ├-             | <u> </u>   | ⊨               | $\vdash \dashv$ |
|          | 116   |              | <u> </u>     | <u> </u> | <u> </u> | ⊢  | $\vdash$       | <u> </u>   | <u> </u>        | Ш               |
| ļ        | 11/   | <u> </u>     | $\vdash$     | <u> </u> | <u> </u> | <b> </b>   | ├              | ⊢          | <u> </u>        | Н               |
|          | 117<br>118<br>119                             | <u> </u>     | $\vdash$     | $\vdash$ | <u> </u> | <u> </u>   | ├-             | $\vdash$   | _               | Щ               |
|          | 119   | <u> </u>     | ļ            | <u> </u> |          | $\vdash$   | ⊢              | <u> </u>   | _               | Н               |
|          | 120<br>121                                    |              | _            | _        |          | _  | ļ              | <u> </u>   | _               | Ц               |
|          | 121   | -            | <u> </u>     |          |          | ļ  | <u> </u>       | L          |                 | Щ               |
|          | 122   | _            | <u> </u>     |          |          | <u> </u>   | <u> </u>       | <u> </u>   |                 | Щ               |
|          | 123   |              |              | _        | <u> </u> | <u> </u>   | <u> </u>       | <u> </u>   |                 | Ш               |
|          | 123<br>124<br>125<br>126<br>127               |              | -            | <u> </u> |          | ┡  | L              | <u> </u>   | _               |                 |
|          | 125   |              |              | <u> </u> |          | ├  | <u> </u>       | H          | _               | Щ               |
|          | 120   |              | $\vdash$     | <u> </u> |          | -  | -              |            | <u> </u>        | Н               |
|          | 127   | _            | $\vdash$     | _        | _        | _  | -              | <u> </u>   | -               | Н               |
|          | 120   | $\vdash$     |              |          | _        | <u> </u>   | <u> </u>       | <u> </u>   | $\vdash$        | Н               |
|          | 128<br>129<br>130                             |              |              | -        |          | ⊢  | <u> </u>       | -          |                 | Н               |
|          | 130   | $\vdash$     | $\vdash$     | <b> </b> | H        | ├-   | ├—             | $\vdash$   | $\vdash$        | Н               |
|          | 131<br>132                                    | _            | -            | -        | $\vdash$ | ⊢  | $\vdash$       | <u> </u>   | _               | Н               |
|          | 132   | <u> </u>     | ├-           | $\vdash$ |          | ├-   | ⊢              | -          | $\vdash$        | Н               |
|          | 124   | <b>-</b> -   | $\vdash$     |          |          | $\vdash$   | ⊢              | $\vdash$   | —               | Н               |
|          | 134<br>135                                    |              | -            |          |          | H  |                |            |                 | Н               |
|          | 136   | $\vdash$     | $\vdash$     | <u> </u> |          | $\vdash$   | $\vdash$       | $\vdash$   | $\vdash$        | Н               |
|          | 137   | $\vdash$     | $\vdash$     | $\vdash$ | _        | <del>                                     </del> | $\vdash$       | $\vdash$   | -               | $\vdash \vdash$ |
|          | 138   | $\vdash$     | $\vdash$     |          |          | H  | <u> </u>       | -          |                 | $\vdash$        |
|          | 139   | H            | $\vdash$     | H        |          | H  | ⊢              | $\vdash$   | <b></b>         | $\vdash\vdash$  |
|          | 140   | $\vdash$     | $\vdash$     | $\vdash$ |          | ├  | $\vdash$       | $\vdash$   | -               | Н               |
|          |   | $\vdash$     | $\vdash$     | -        |          | $\vdash$   | $\vdash$       | Н          | -               | $\dashv$        |
|          | 141   | -            | -            | $\vdash$ |          | ├-   | H              | Н          |                 | $\vdash \vdash$ |
|          | 143   | -            | $\vdash$     | $\vdash$ |          | $\vdash$   | <u> </u>       | $\vdash$   | $\vdash$        | Н               |
| $\dashv$ | 144   |              | -            |          |          | $\vdash$   | <b> </b> -     | $\vdash$   | $\vdash$        | $\dashv$        |
| $\dashv$ | 145   | $\vdash$     | $\vdash$     |          |          | $\vdash$   | $\vdash$       | $\vdash$   | $\vdash$        | Н               |
|          | 146   |              | Н            | -        |          | -  | Н              | Н          | $\vdash$        | $\dashv$        |
| -        | 147   | $\vdash$     | Н            | $\vdash$ | -        | <u> </u>   | -              | Н          | $\vdash$        | Н               |
|          | 148   |              | $\vdash$     |          | -        | H  |                | Н          |                 | $\vdash \vdash$ |
|          | 149   | -            | Н            |          | _        | Н  | H              | Н          | Н               | $\dashv$        |
|          |   |              | $\vdash$     | $\vdash$ | _        | Н  | Н              | Н          | $\vdash \vdash$ |                 |
|          | 150   | Ш            |              |          |          |  |                | Ш          |                 |                 |